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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/599,813	06/21/2000	Adriana Ardeleanu	MSI-583US	7153

22801 7590 01/24/2006

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EXAMINER

TRAN, QUOC A

ART UNIT PAPER NUMBER

2176

DATE MAILED: 01/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/599,813

Applicant(s)

ARDELEANU ET AL.

Examiner

Quoc A. Tran

Art Unit

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 04 November 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-45 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-45 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |                                                                                                                                                 |                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                                                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                                            | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>11/08/2005</u> . | 6) <input type="checkbox"/> Other: _____                                                |

Art Unit: 2176

### DETAILED ACTION

1. This action is responsive to communications: Amendment both filed on 11/04/2005, to the original application filed 06/21/2000.
2. Claims 1-45 are currently pending in this application. Claims 1, 10, 20, 27, 35, and 39 are independent claims.

### *Response to Arguments*

3. Applicant's arguments see Remarks pages 10-21, filed 11/04/2005, with respect to claims 1-45 have been fully considered and are persuasive. The rejection of claims 1-45 has been withdrawn.

### *Claim Rejections - 35 USC § 103*

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

*(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.*

5. **Claims 1-4, 7-10, 13-16 and 18-19** rejected under 35 U.S.C. 103(a) as being unpatentable over ELO et al. US 20030204814A1 filed 09/27/1999 (hereinafter ELO), in view of Moore et al. US 2001/0056429 A1 - provisional Application No. 60/191,662 filed 03/23/2000 (hereinafter Moore).

**In regard to independent claim 1, rendering a DHTML document from an XML document** (as taught by ELO at page 1 paragraphs [0006]-[0016], also see Fig. 1-3, disclosed

Art Unit: 2176

a system and method for automatically creating and constructing interactive and dynamic presentations of contents in another words the final HTML file is created ready for input into a dynamic presentation from the combined of The XML and XSL style sheets. It should be understood that other object oriented, interpretive run-time programs, may be substituted for Java including DHTML or other proprietary implementations, which take parameterized input).

ELO does not explicitly teach, **using at least one XSLT transformation (XSL-T); and presenting a user interface based, at least in part, on the XSL-T that was used to render the DHTML document**, however (as taught by Moore at page 18, paragraph [0291], disclosed many alternatives to HTML as a presentation language are possible, including DHTML (Dynamic HTML), XHTML (Extensible HTML), RDF, PDF, etc. Moreover, many alternatives to XSLT as a presentation mechanism are possible. In general, the presentation mechanism should be able to map a representation of a collection or a data object (e.g., an XML DTD) into a presentation language such as HTML, and XSLT, as a scripting language, is a good choice).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify teachings of Moore into Ben-Natan to provide a way, wherein using at least one XSLT transformation (XSL-T); and presenting a user interface based, at least in part, on the XSL-T that was used to render the DHTML document. One of the ordinary skill in the art would have been motivated to modify this combination for enabling the user, at an indefinite point in time in the future to manipulate data/document infrastructure independently and not limit to any state or quality of being independent of a particular storage or computing

platform or implementation or at most limited to only a generic class of storage or computing platforms or implementations (as taught by Moore at page 1, paragraph [0006] through [0008]).

**In regard to independent claim 10**, incorporate substantially similar subject matter as cited in claim 1 above, and in further view of the following, and is similarly rejected along the same rationale,

**rendering a user interface sufficient to enable a user to interact with a DHTML view** (as taught by ELO at page 1 paragraphs [0006]-[0016], also see Fig. 1-3, disclosed a system and method for automatically creating and constructing interactive and dynamic presentations of contents in another words the final HTML file is created ready for input into a dynamic presentation from the combined of The XML and XSL style sheets. It should be understood that other object oriented, interpretive run-time programs, may be substituted for Java including DHTML or other proprietary implementations, which take parameterized input).

**In regard to dependent claim 2**, automatically presenting the user interfaces (as taught by ELO at page 1, paragraph [0007]).

**In regard to dependent claim 3**, the user interface comprises a context block (as taught by ELO at page 3, paragraphs [0035]).

**In regard to dependent claim 4**, the user interface comprises an in-document user interface (as taught by ELO at page 1, paragraphs [0006]-[0009]).

**In regard to dependent claim 7**, the presenting deciding which user interface to present from a number of user interfaces (as taught by ELO at page 1, paragraphs [0006]-[0009]).

**In regard to dependent claim 8**, incorporate substantially similar subject matter as cited in claim 1 above, and in further view of the following, and is similarly rejected along the same rationale,

**and presenting a user interface based on the ascertained user's actions** (as taught by ELO at page 1, paragraphs [0006]-[0009]).

**In regard to dependent claim 9**, is directed to a computer-readable media for performing the method of claim 1, and is similarly rejected under the same rationale.

**In regard to dependent claim 13**, incorporate substantially similar subject matter as cited in claim 7 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 14**, incorporate substantially similar subject matter as cited in claims 7-8 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 15**, incorporate substantially similar subject matter as cited in claim 1 above, and is similarly rejected along the same rationale.

**In regard to dependent claims 16, and 18**, incorporate substantially similar subject matter as cited in claim 4 above, and are similarly rejected along the same rationale.

**In regard to dependent claim 19**, is directed to a computer-readable media for performing the method of claim 10, and is similarly rejected under the same rationale.

7. **Claims 11-12, 20-21 and 23-26** rejected under 35 U.S.C. 103(a) as being unpatentable over ELO et al. US 20030204814A1 filed 09/27/1999 (hereinafter ELO), in view of Moore et al. US No. 2001/0056429 A1 - provisional Application No. 60/191,662 filed 03/23/2000

Art Unit: 2176

(hereinafter Moore), further in view of Lemmons et al. US 20030051243A1- Continuation of 09/227,358 filed 01/08/1999 (hereinafter Lemmons).

**In regard to independent claim 20**, incorporate substantially similar subject matter as cited in claims 1 and 10 above, and in further view of the following, and is similarly rejected along the same rationale,

ELO and Moore do not explicitly teach, **determining, based upon the corresponding selection in an XML document, a corresponding portion of an XML schema**, however (Lemmons at page 1 paragraph [0013] through page 4 paragraph [0044], discloses a user controls for operation of personal computer television (PC/TV) or any suitable arrangement, wherein display elements may have a set of associated attributes such as display element style, layout information (e.g., font size, font type, color, screen coordinates, etc.), actions associated with the display element, or any other suitable attribute and selected using the markup language documents. The markup language used may be any suitable markup language or system of marking up, or tagging, a document (e.g., text file) so that the document indicates user display screen layout and styling and program guide functionality. For example, the markup language document may contain HyperText Markup Language (HTML), Dynamic HyperText Markup language (DHTML), or Extensible Markup Language (XML) code. The program guide is programmed to interpret the markup language documents and generate the display screens and provide program guide functionality according to the documents,

**determining, based upon XML schema portion, one or more types of action that can be under taken**, however (Lemmons at page 1 paragraph [0013] through page 4 paragraph [0044], discloses a user controls for operation of personal computer television (PC/TV) or any

Art Unit: 2176

suitable arrangement, wherein display elements may have a set of associated attributes such as display element style, layout information (e.g., font size, font type, color, screen coordinates, etc.), actions associated with the display element, or any other suitable attribute and selected using the markup language documents. The markup language used may be any suitable markup language or system of marking up, or tagging, a document (e.g., text file) so that the document indicates user display screen layout and styling and program guide functionality. For example, the markup language document may contain HyperText Markup Language (HTML), Dynamic HyperText Markup language (DHTML), or Extensible Markup Language (XML) code. The program guide is programmed to interpret the markup language documents and generate the display screens and provide program guide functionality according to the documents and Program guide display elements (XML document) may have a set of associated attributes wherein actions associated with the display element, or any other suitable attribute,

**producing one or more operations that can be under taken for various determined action types**, however (Lemmons at page 1 paragraph [0013] through page 4 paragraph [0044], discloses a user controls for operation of personal computer television (PC/TV) or any suitable arrangement, wherein display elements may have a set of associated attributes such as display element style, layout information (e.g., font size, font type, color, screen coordinates, etc.), actions associated with the display element, or any other suitable attribute and selected using the markup language documents. The markup language used may be any suitable markup language or system of marking up, or tagging, a document (e.g., text file) so that the document indicates user display screen layout and styling and program guide functionality. For example, the markup language document may contain HyperText Markup Language (HTML), Dynamic



HyperText Markup language (DHTML), or Extensible Markup Language (XML) code. The program guide is programmed to interpret the markup language documents and generate the display screens and provide program guide functionality according to the documents and Program guide display elements (XML document) may have a set of associated attributes wherein actions associated with the display element, or any other suitable attribute.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify teachings of Moore into ELO to provide a way, wherein using at least one XSLT transformation (XSL-T); and presenting a user interface based, at least in part, on the XSL-T that was used to render the DHTML document, further to include a means of determining, based upon the selection, a corresponding selection in an XML document and based upon XML schema portion, and producing one or more operations that can be under taken for various determined action types of Lemmons' teaching. One of the ordinary skill in the art would have been motivated to modify this combination for enabling the user, at an indefinite point in time in the future to manipulate data/document infrastructure independently and not limit to any state or quality of being independent of a particular storage or computing platform or implementation or at most limited to only a generic class of storage or computing platforms or implementations (as taught by Moore at page 1, paragraph [0006] through [0008]).

**In regard to dependent claims 11-12**, incorporate substantially similar subject matter as cited in claims 1 and 20 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 21**, wherein the making of the selection comprises a cursor to a particular area within a document, however (as taught by Lemmons at page 3, paragraphs [0037]-[0038], i.e. User interface may be a pointing device, wireless remote control,

Art Unit: 2176

keyboard, touch-pad, voice recognition system, or any other suitable user input device) Examiner read the above in the broadest reasonable interpretation to the claim limitation, wherein a cursor would have been an obvious inherent location of pointed to by a user interface (e.g. pointing device) to a person of ordinary skill in the art at the time the invention was made.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify teachings of Moore into ELO to provide a way, wherein using at least one XSLT transformation (XSL-T); and presenting a user interface based, at least in part, on the XSL-T that was used to render the DHTML document, further to include a means of making of the selection comprises a cursor to a particular area within a document of Lemmons' teaching. One of the ordinary skill in the art would have been motivated to modify this combination for enabling the user, at an indefinite point in time in the future to manipulate data/document infrastructure independently and not limit to any state or quality of being independent of a particular storage or computing platform or implementation or at most limited to only a generic class of storage or computing platforms or implementations (as taught by Moore at page 1, paragraph [0006] through [0008]).

**In regard to dependent claim 23**, incorporate substantially similar subject matter as cited in claim 7 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 24**, incorporate substantially similar subject matter as cited in claim 8 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 25**, incorporate substantially similar subject matter as cited in claim 2 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 26**, is directed to a computer-readable media for performing the method of claim 20, and is similarly rejected under the same rationale.

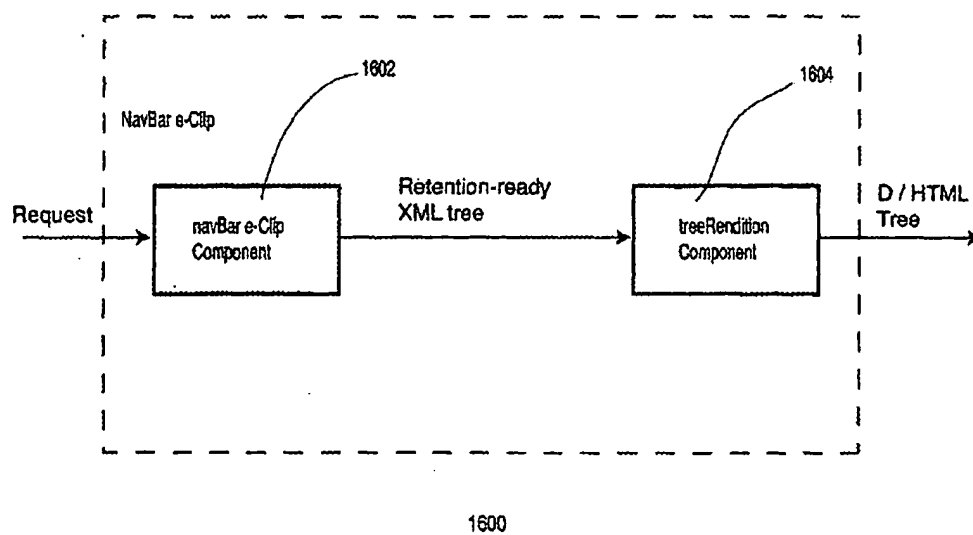
6. **Claims 5-6, 17, 22, 27-31, 33-35 and 37-45** rejected under 35 U.S.C. 103(a) as being unpatentable over ELO et al. US 20030204814A1 filed 09/27/1999 (hereinafter ELO), in view of Moore et al. US Pub No. 2001/0056429 A1 - provisional Application No. 60/191,662 filed 03/23/2000 (hereinafter Moore), further in view of Fisher et al. US 20040205473A1-Provisional 60/177,657 filed 01/27/2000 (hereinafter Fisher).

**In regard to independent claim 27**, incorporate substantially similar subject matter as cited in claims 1 and 20 above, and in further view of the following, and is similarly rejected along the same rationale,

ELO, Moore and Lemmons do not explicitly teach, **define one or more crystals which contain one or more behaviors for transforming an XML document into DHTML view**, however (Fisher at page 3 paragraph [0043] through page 21 paragraph [0317], also see Fig. 15-18, discloses an interface for communicating between said portal and said user via a browser on a network, wherein The portal server 105 is responsible for displaying HTML pages that are either static or dynamic. Referring to Fig. 16 and 17 illustrating a Navbar component 1602, TreeRendition component 1604 and CSS/DHTML such that the tree rendition component, TreePendition, extends PortalComponent and expects XML documents conforming to a Tree Rendition DTD as its request data. Based on a user agent HTTP header and portal settings, an HTML rendition of the tree is returned. It is possible that TreeRendition could return many HTML renditions optimized for differing browsers, versions, platforms and portal

themes. The priority is delivering a generic HTML rendition (HTML 3.2 or the like) that provides excellent browser reach and a CSS/DHTML offering (Internet Explorer 4 or 5, or the like). Also (see Page 19 paragraphs [0286]-[0291] FIG. 15, discloses session manger and navigation bar, whereby all portal resources are accessed (e.g. navbar e-clip) the navbar e-clip enriches data in order to more fully describe the rendition and behavior associated with the data in the context of the portal. This includes the assignment of icons and custom URLs to nodes in the tree of known types. The navbar e-clip organizes all the data it has gathered into a single hierarchy and presents the hierarchy as an HTML document. Multiple renditions may be required depending on browser requirements and user interface design.

Figure 16



Examiner read the above in the broadest reasonable interpretation to the claim limitation, wherein one or more crystals would have been an obvious variant of he navbar e-clip enriches data in order to more fully describe the rendition and behavior associated with the data in the

context of the portal and gathered into a single hierarchy and presents the hierarchy as an HTML document to a person of ordinary skill in the art at the time the invention was made.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify teachings of Moore into ELO to provide a way, wherein using at least one XSLT transformation (XSL-T); and presenting a user interface based, at least in part, on the XSL-T that was used to render the DHTML document, further to include a means of determining, based upon the selection, a corresponding selection in an XML document and based upon XML schema portion, and producing one or more operations that can be under taken for various determined action types of Lemmons' teaching, further to include a means of define one or more crystals which contain one or more behaviors for transforming an XML document into DHTML view of Fisher's teaching. One of the ordinary skill in the art would have been motivated to modify this combination for enabling the user, at an indefinite point in time in the future to manipulate data/document infrastructure independently and not limit to any state or quality of being independent of a particular storage or computing platform or implementation or at most limited to only a generic class of storage or computing platforms or implementations (as taught by Moore at page 1, paragraph [0006] through [0008]).

**In regard to independent claims 35 and 39**, incorporate substantially similar subject matter as cited in claims 1, 20 and 27 above, and in further view of the following, and are similarly rejected along the same rationale,

**DHTML view associated with the at least one DHTML tag**, (as taught by ELO at page 2 paragraph [0024], i.e. in Step 4, the process determines the images to display in the final dynamic presentation and adds the information to the document object to contain all element and

attribute tags needed by the XSL style sheets in step 6 to generate the final dynamic presentation in HTML file in step 7. The document object representing the article with proper name tags and corresponding image attributes are received at Step 4 and the output is a final document object consisting of articles with all elements and attribute tags necessary for XSL style sheets)

Examiner read the above in the broadest reasonable interpretation to the claim limitation, wherein DHTML view and DHTML tag would have been an obvious variant of display in the final dynamic presentation and adds the information to the document object to contain all element and attribute tags needed by the XSL style sheets in step 6 to generate the final dynamic presentation in HTML file in step 7. The document object representing the article with proper name tags and corresponding image attributes are received at Step 4 and the output is a final document object consisting of articles with all elements and attribute tags necessary for XSL style sheets to a person of ordinary skill in the art at the time the invention was made.

**In regard to dependent claim 40**, incorporate substantially similar subject matter as cited in claim 1 and 39 above, and in further view of the following, and are similarly rejected along the same rationale,

**data shape-dependent** (as taught by ELO at page 2 paragraph [0024], i.e. in Step 4, the process determines the images to display in the final dynamic presentation and adds the information to the document object to contain all element and attribute tags needed by the XSL style sheets in step 6 to generate the final dynamic presentation in HTML file in step 7. The document object representing the article with proper name tags and corresponding image attributes are received at Step 4 and the output is a final document object consisting of articles with all elements and attribute tags necessary for XSL style sheets) Examiner read the above in

Art Unit: 2176

the broadest reasonable interpretation to the claim limitation, wherein data shape-dependent would have been an obvious variant of display in the final dynamic presentation and adds the information to the document object to contain all element and attribute tags needed by the XSL style sheets in step 6 to generate the final dynamic presentation in HTML file in step 7. The document object representing the article with proper name tags and corresponding image attributes are received at Step 4 and the output is a final document object consisting of articles with all elements and attribute tags necessary for XSL style sheets to a person of ordinary skill in the art at the time the invention was made.

**In regard to dependent claim 41**, incorporate substantially similar subject matter as cited in claims 1 and 40 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 42**, incorporate substantially similar subject matter as cited in claims 1 and 40 above, and further view of the following, and is similarly rejected along the same rationale,

**behaviors are independent of any xml schema**, however (Fisher at page 7 paragraph [00126], i.e. several components generate independent results involving different network operations, it will be advantageous to execute these components in parallel to improve overall e-Clip performance. The following e-Clip example shows three components that are executed in parallel on separate threads of execution) Examiner read the above in the broadest reasonable interpretation to the claim limitation, wherein behaviors are independent, would have been an obvious variant of components generate independent results and execute these components in parallel, to a person of ordinary skill in the art at the time the invention was made.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify teachings of Moore into ELO to provide a way, wherein using at least one XSLT transformation (XSL-T); and presenting a user interface based, at least in part, on the XSL-T that was used to render the DHTML document, further to include a means of determining, based upon the selection, a corresponding selection in an XML document and based upon XML schema portion, and producing one or more operations that can be under taken for various determined action types of Lemmons' teaching, further to include a means of behaviors are independent of any xml schema of Fisher's teaching. One of the ordinary skill in the art would have been motivated to modify this combination for enabling the user, at an indefinite point in time in the future to manipulate data/document infrastructure independently and not limit to any state or quality of being independent of a particular storage or computing platform or implementation or at most limited to only a generic class of storage or computing platforms or implementations (as taught by Moore at page 1, paragraph [0006] through [0008]).

**In regard to dependent claim 43**, incorporate substantially similar subject matter as cited in claims 1 and 40 above, and further view of the following, and is similarly rejected along the same rationale,

**behaviors are independent of data values**, however (Fisher at page 7 paragraph [00126], i.e. several components generate independent results involving different network operations, it will be advantageous to execute these components in parallel to improve overall e-Clip performance. The following e-Clip example shows three components that are executed in parallel on separate threads of execution) Examiner read the above in the broadest reasonable interpretation to the claim limitation, wherein behaviors are independent, would have been an



Art Unit: 2176

obvious variant of components generate independent results and execute these components in parallel, to a person of ordinary skill in the art at the time the invention was made.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify teachings of Moore into ELO to provide a way, wherein using at least one XSLT transformation (XSL-T); and presenting a user interface based, at least in part, on the XSL-T that was used to render the DHTML document, further to include a means of determining, based upon the selection, a corresponding selection in an XML document and based upon XML schema portion, and producing one or more operations that can be undertaken for various determined action types of Lemmons' teaching, further to include a means of behaviors are independent of data values of Fisher's teaching. One of the ordinary skill in the art would have been motivated to modify this combination for enabling the user, at an indefinite point in time in the future to manipulate data/document infrastructure independently and not limit to any state or quality of being independent of a particular storage or computing platform or implementation or at most limited to only a generic class of storage or computing platforms or implementations (as taught by Moore at page 1, paragraph [0006] through [0008]).

**In regard to dependent claim 44**, incorporate substantially similar subject matter as cited in claims 42-43 above, and is similarly rejected along the same rationale.

**In regard to independent claim 45**, is directed to a computer-readable media for performing the method of claims 1, 40, 42, and is similarly rejected under the same rationale.

**In regard to dependent claim 28**, incorporate substantially similar subject matter as cited in claim 40 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 29**, incorporate substantially similar subject matter as cited in claim 41 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 30**, incorporate substantially similar subject matter as cited in claim 42 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 31**, incorporate substantially similar subject matter as cited in claim 42 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 33, wherein the crystals are reusable across different XML documents** (as taught by Moore at page 14, paragraph [0240], provided the one or more transformations, wherein included in the archive can be any of the transformations t.sub.1, t.sub.3, t.sub.4, t.sub.5 and so on).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify teachings of Elo and Moore teaching wherein using at least one XSLT transformation (XSL-T); and presenting a user interface based, at least in part, on the XSL-T that was used to render the DHTML document, further to include a means of determining, based upon the selection, a corresponding selection in an XML document and based upon XML schema portion, and producing one or more operations that can be under taken for various determined action types of Lemmons' teaching, further to include a means of define one or more crystals which contain one or more behaviors for transforming an XML document into DHTML view of Fisher's teaching, further to include a means of reuse the crystals across different XML documents of Moore teaching. One of the ordinary skill in the art would have been motivated to modify this combination for enabling the user, at an indefinite point in time in the future to manipulate data/document infrastructure independently and not limit to any state or

quality of being independent of a particular storage or computing platform or implementation or at most limited to only a generic class of storage or computing platforms or implementations (as taught by Moore at page 1, paragraph [0006] through [0008]).

**In regard to dependent claim 34**, is directed to a computer-readable media for performing the method of claim 27, and is similarly rejected under the same rationale.

**In regard to dependent claim 37**, is directed to a computer-readable media for performing the method of claim 40, and is similarly rejected under the same rationale.

**In regard to dependent claim 38**, is directed to a computer-readable media for performing the method of claim 42, and is similarly rejected under the same rationale.

**In regard to dependent claim 5**, the user interface comprises an accelerator however (Fisher at page 21 paragraph [0312], provides the navbar component with concurrent requests for data and synchronized XML tree updates, conditional loading of requests to data access components, and preservation of the navbar state information while data access components are executing) Examiner read the above in the broadest reasonable interpretation to the claim limitation, wherein an accelerator would have been an obvious variant of conditional loading of requests to data access components to a person of ordinary skill in the art at the time the invention was made.

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify teachings of Moore into ELO to provide a way, wherein using at least one XSLT transformation (XSL-T); and presenting a user interface based, at least in part, on the XSL-T that was used to render the DHTML document, further to include a means of determining, based upon the selection, a corresponding selection in an XML document and based

upon XML schema portion, and producing one or more operations that can be under taken for various determined action types of Lemmons' teaching, further to include an accelerator of Fisher's teaching. One of the ordinary skill in the art would have been motivated to modify this combination for enabling the user, at an indefinite point in time in the future to manipulate data/document infrastructure independently and not limit to any state or quality of being independent of a particular storage or computing platform or implementation or at most limited to only a generic class of storage or computing platforms or implementations (as taught by Moore at page 1, paragraph [0006] through [0008]).

**In regard to dependent claim 6**, incorporate substantially similar subject matter as cited in claims 3-5 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 17**, incorporate substantially similar subject matter as cited in claim 5 above, and is similarly rejected along the same rationale.

**In regard to dependent claim 22**, incorporate substantially similar subject matter as cited in claim 6 above, and is similarly rejected along the same rationale.

7. **Claims 32 and 36 rejected** under 35 U.S.C. 103(a) as being unpatentable over ELO et al. US 20030204814A1 filed 09/27/1999 (hereinafter ELO), in view of Moore et al. US Pub No. 2001/0056429 A1 - provisional Application No. 60/191,662 filed 03/23/2000 (hereinafter Moore), further in view of Fisher et al. US 20040205473A1- Provisional 60/177,657 filed 01/27/2000 (hereinafter Fisher), and in further view of Kutay et al. US Pub No. 2002/0026461 A1 issued 02/28/2002 filed 06/05/2001 provisional Application No. 60/209,713 filed 06/05/2000 (hereinafter Kutay).

**In regard to dependent claim 32**, Elo, Moore, Lemmons and Fisher do not explicitly teach,

**behavior are implemented as binary code**, however, (as taught by Kutay at page 4, paragraph [0067], disclosed condition components, wherein representation in binary decision processing).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify teachings of ELO and Moore, using at least one XSLT transformation (XSL-T); and presenting a user interface based, at least in part, on the XSL-T that was used to render the DHTML document, further to include a means of determining, based upon the selection, a corresponding selection in an XML document and based upon XML schema portion, and producing one or more operations that can be under taken for various determined action types of Lemmons' teaching, further to include a means of define one or more crystals which contain one or more behaviors for transforming an XML document into DHTML view of Fisher's teaching and further to include the behavior are implemented as binary code of Kutay' teaching . One of the ordinary skill in the art would have been motivated to modify this combination for enabling the user, at an indefinite point in time in the future to manipulate data/document infrastructure independently and not limit to any state or quality of being independent of a particular storage or computing platform or implementation or at most limited to only a generic class of storage or computing platforms or implementations (as taught by Moore at page 1, paragraph [0006] through [0008]).

**In regard to dependent claim 36**, is directed to a computer-readable media for performing the method of claim 32, and is similarly rejected under the same rationale.

*Conclusion*

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc A. Tran whose telephone number is (571) 272-4103. The examiner can normally be reached on Monday through Friday from 9 AM to 5 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Herndon R. Heather can be reached on (571) -272-4136. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

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January 13, 2006